

2014 NH Green Your Fleet Workshop

Rules & Regulations Affecting Vehicles & Fleets

Paul Lockwood

NH Dept. of Environmental Services

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2014 NH Green Your Fleet Workshop

- **How do Vehicles Affect the Environment?**
- **What Federal Regulations Affect Vehicles & Fleets?**
- **What State Regulations Affect Vehicles & Fleets?**
- **What's in the Future for Vehicles & Fleets?**

Clear Day

Hazy Day

White Mountains, New Hampshire



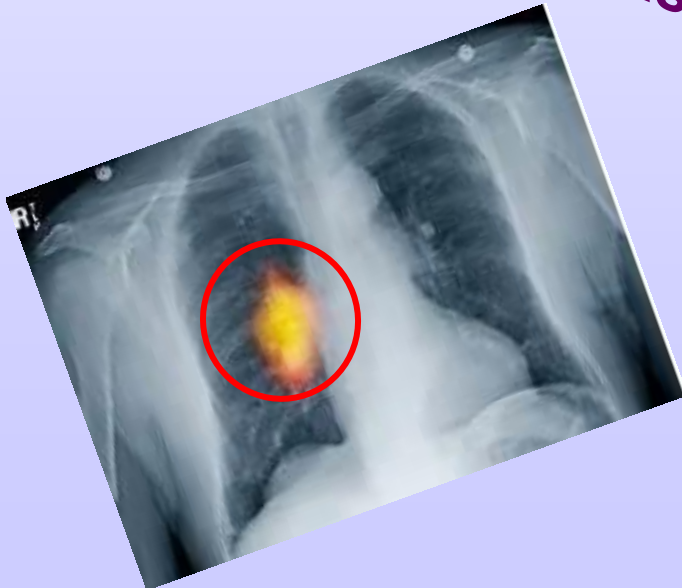
How do vehicle emissions affect our health?



How do vehicle emissions affect our health?

Asthma

**Chronic
Obstructive
Pulmonary
Disease (COPD)**

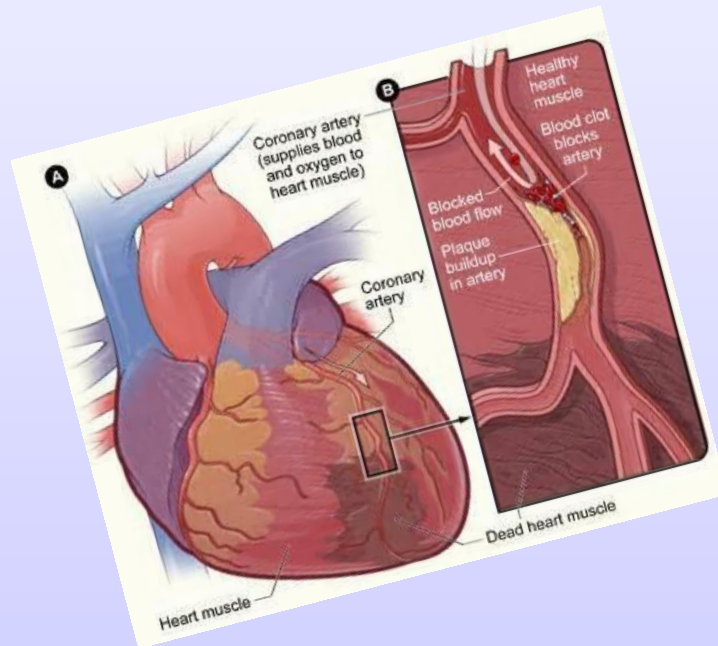


**Lung
Cancer**



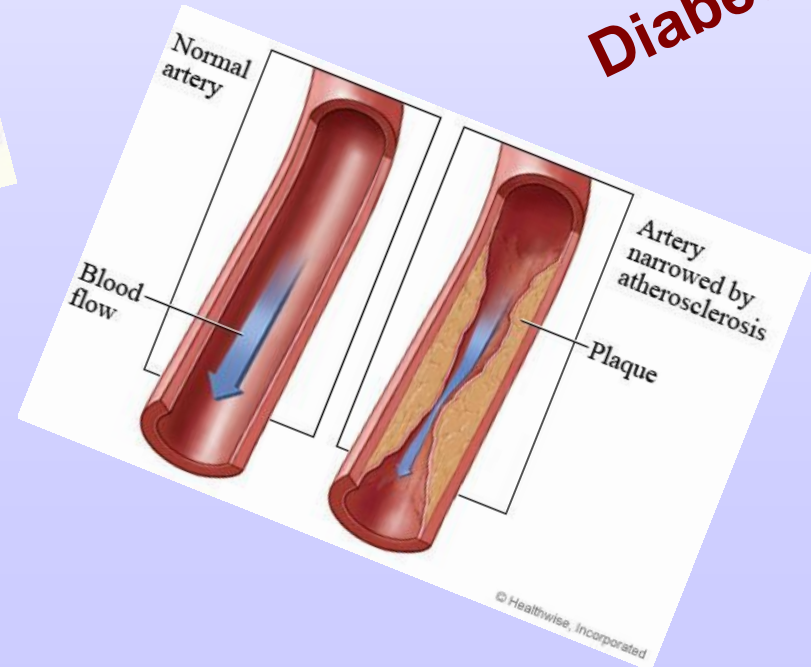
Bronchitis

How do vehicle emissions affect our health?



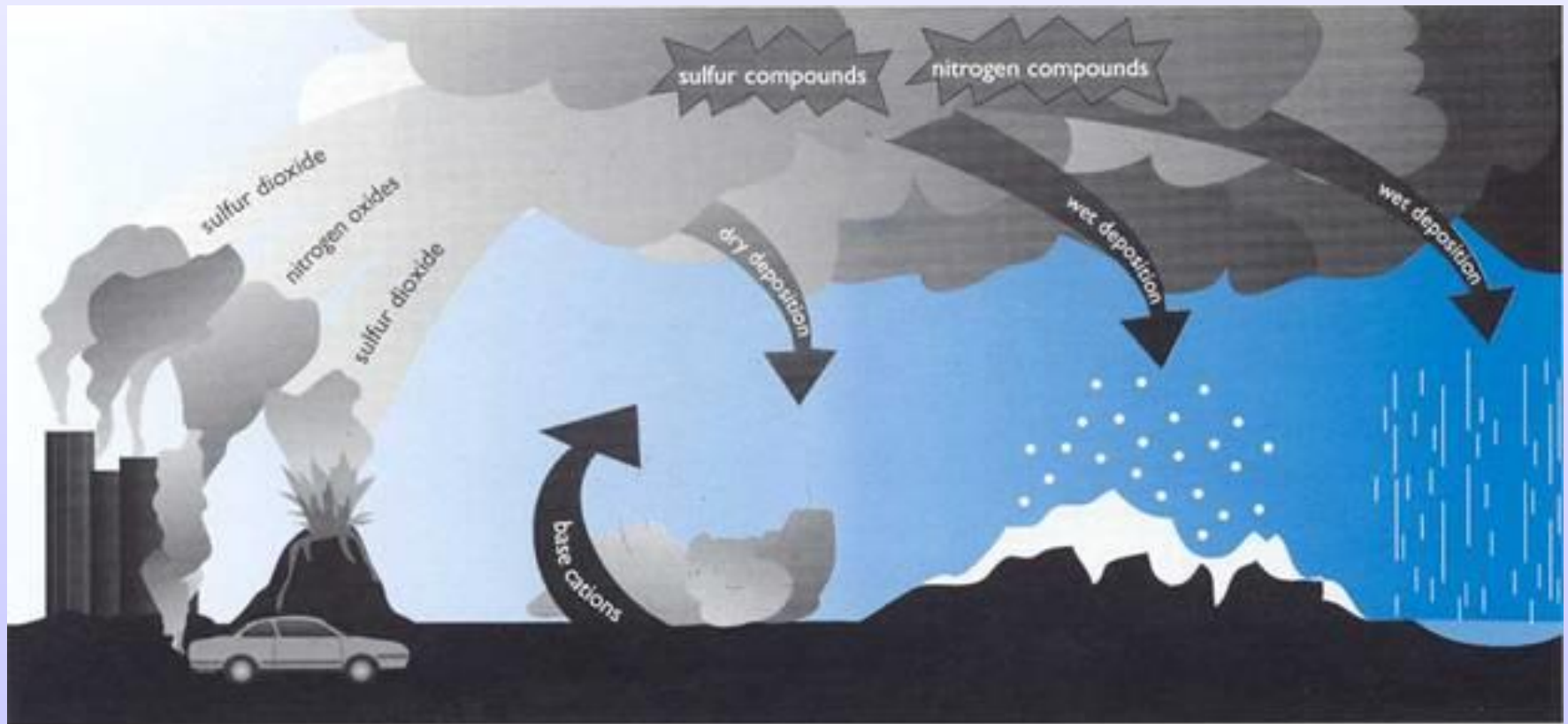
Congestive Heart Failure

Diabetes

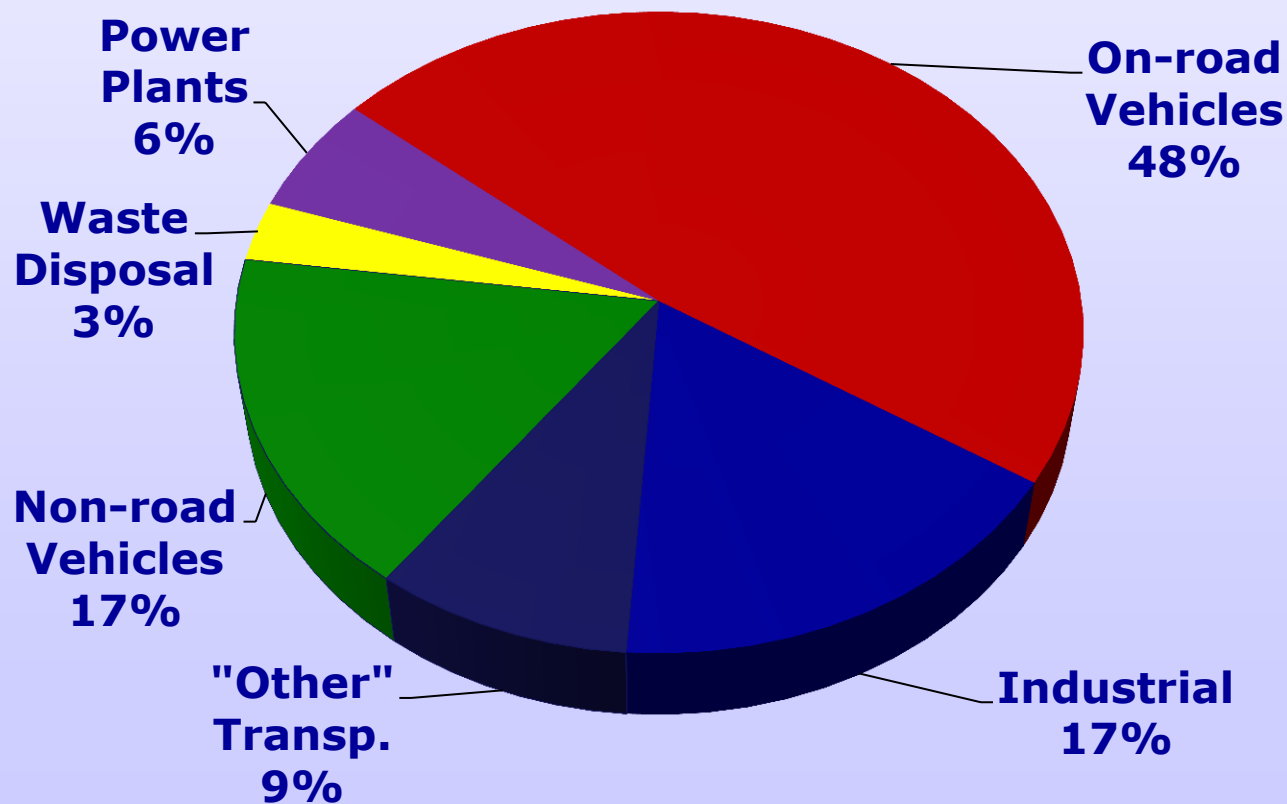


Cardiac Arrhythmia

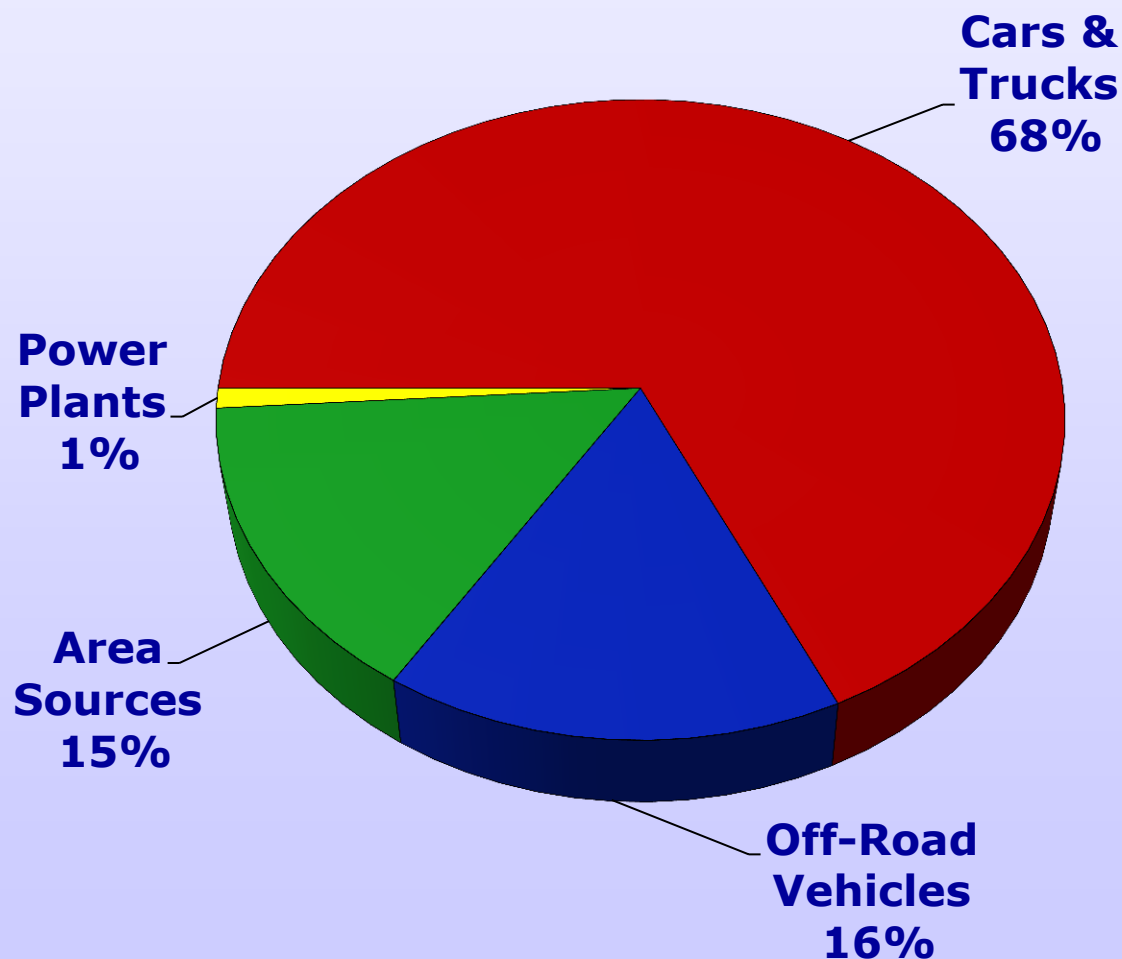
How do emissions affect the environment?



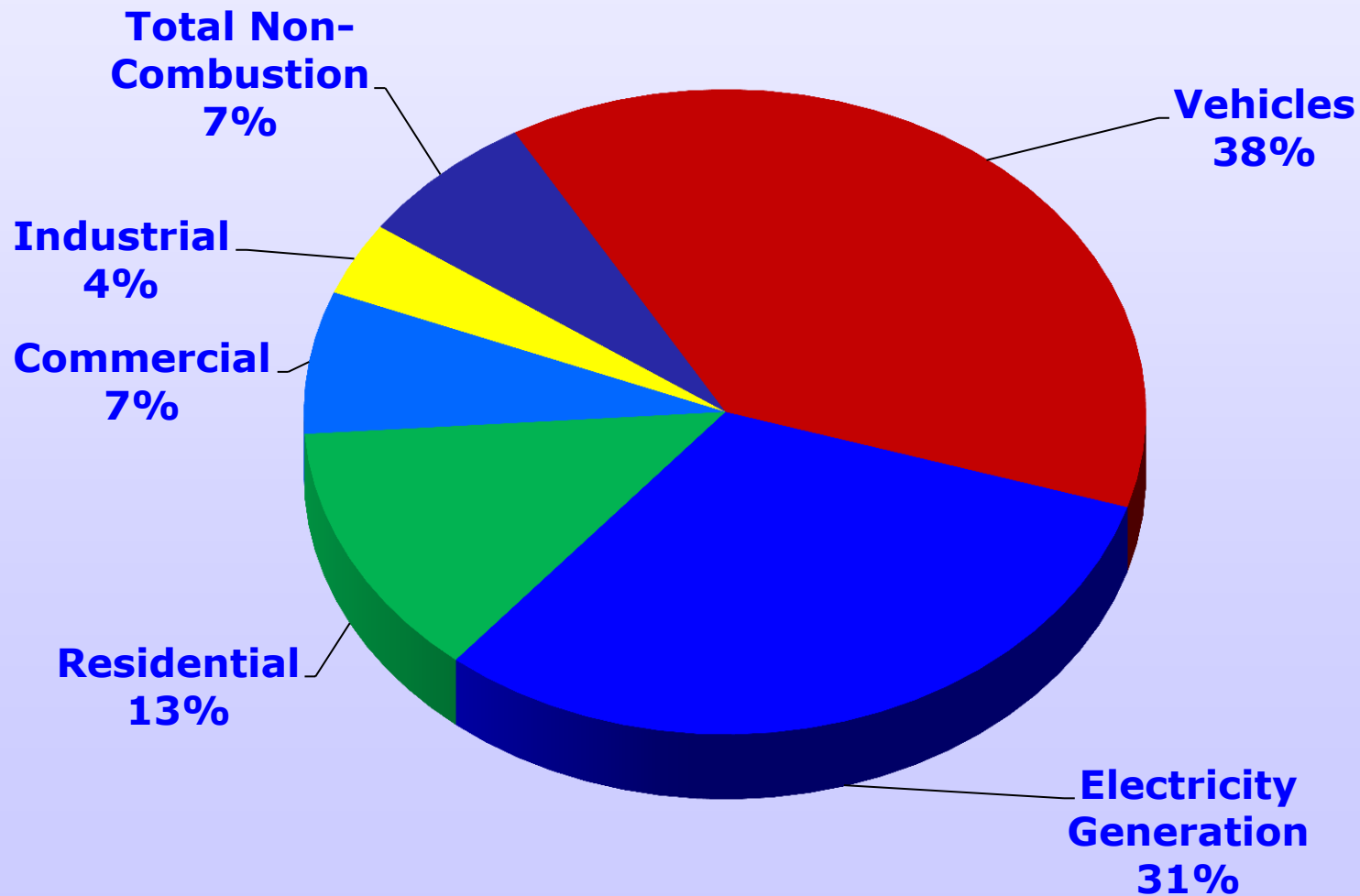
Sources of Smog-forming Nitrous Oxides



Sources of Carbon Monoxide Emissions



Sources of Greenhouse Gas Emissions

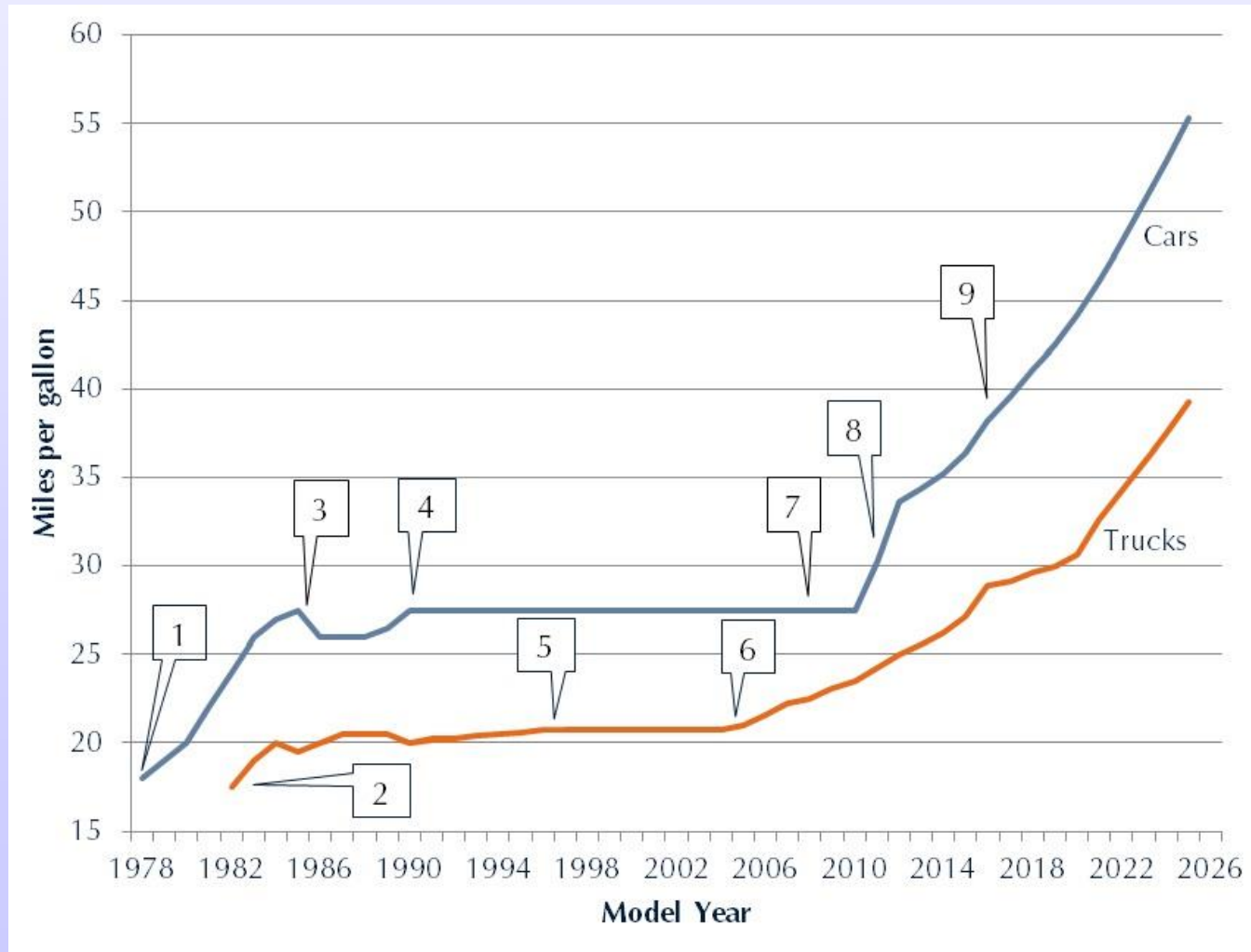


Federal Efficiency & Air Quality Regulations

These effect mostly manufacturers and refiners by setting national vehicle and fuel quality requirements

- **2001: Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements**
- **2007: Control of HAPs from Mobile Sources**
- **2009: Heavy Duty OBD Rule**
- **2011: GHG and Fuel Efficiency standards for Medium and Heavy-Duty vehicles.**
- **2012 & 2014: CAFE and Tier 3 Motor Vehicle Emission and Fuel Standards**

How have regulations affected vehicle efficiency?



New Hampshire Regulations

- **Saf-C 3200**

- OBD Testing – **for all vehicles including fleet vehicles!**
- Anti-Tampering Inspection
- Safety Inspection

- **Saf-C 5800**

- Roadside Diesel Opacity Testing



- **House Bill 1142 FN** - imposes the road toll on alternative fuels, such as compressed natural gas, liquefied natural gas, and propane. **Passed – Effective 1/1/15**

“Other” NH Regulations

If you wash, service or paint your fleet vehicles:



- EPA Stormwater Permit or NPDES permit for wash water discharge

- AST regulations for above ground tanks > 660 gallons or > combined 1,320 gallons
- UST regulations for under ground tanks > 110 gallons



“Other” NH Regulations

If you wash, service or paint your fleet vehicles:



- NH Hazardous Waste Rules (Env-Wm 100 – 1000)
- NESHAP 6H regulations (Env-A 1200)
- “Anti-Idling” Rules (Env-A 1100)



What does the future hold (nationally)?

- **New Ozone standards**
- **Federal Biodiesel Incentives**
- **Energy Trust Fund (Alternate Fuel Vehicle Development)**
- **Tax Credit for Alternate Fuels Development**

What does the future hold (New Hampshire)?

- Senate Bill 401 – Imposes a road toll fee on electric and hybrid electric vehicles – **Sent to interim study 2/19/14 – may reappear next year.**



- OBD testing for medium and heavy vehicles?
- NH Climate Action Plan?

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Questions & Comments?

Paul Lockwood

paul.lockwood@des.nh.gov

271-5252